

AMENDMENTIn the specification:

Please replace the paragraph starting on Page <sup>13</sup>~~12~~, line <sup>3</sup>~~12~~, with:

A1  
Typically, the tool health model 155 used to predict the operating parameters of the tool 30-80, thereby measuring the health of the tool 30-80, is based on the particular tool 30-80 and the base operating recipe employed by the tool 30-80 for processing the wafers. Hence, each tool 30-80 may have a separate tool health model 155 for each of the base operating recipes run on the tool 30-80. An exemplary tool health monitor software application is ModelWare™ offered by Triant, Inc. of Nanaimo, British Columbia, Canada Vancouver, Canada. An exemplary system for monitoring tool health using multiple models for different processing situations is described in U.S. Patent Application No. 09/863,822, entitled "METHOD AND APPARATUS FOR MONITORING TOOL HEALTH," filed in the names of Elvido Coss Jr., Richard J. Markle, and Patrick M. Cowan, that is assigned to the assignee of the present application and incorporated herein by reference in its entirety.

In the claims:

Please amend the claims as follows:

- A2
1. (Amended) A method for scheduling production flow, comprising:  
processing a plurality of manufactured items in a process flow;  
determining item health metrics for at least a subset of the plurality of manufactured items;  
determining tool health metrics for a plurality of tools in the process flow; and  
scheduling the manufactured items for processing in the tools based on the item health metrics in view of the tool health metrics.